Algebra III Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

More Logs Practice Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

HW Period\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. If you invest $7,500 in an account paying 8.35% compounded continuously, how much money will be in the account at the end of: 5.5 years? 10 years?
2. A person wishes to have $15,000 cash for a new car 5 years from now. How much should be placed in an account now, if the account pays 9.75% compounded weekly? Compute the answer to the nearest dollar.
3. *Barron’s* (a national business and financial weekly) published the following “Top Savings Deposit Yields” for 1 year certificate of deposit accounts:
   1. Alamo Savings, 8.25% compounded quarterly
   2. Lamar Savings, 8.05% compounded continuously

Compute the value of $10,000 invested in each account at the end of the year.

1. A promissory note will pay $50,000 at maturity 5.5 years from now. How much should you be willing to pay for the note now if money is worth 10% compounded continuously?

Rewrite in exponential form: Rewrite in logarithmic form:

5.  6.  7.  8.  9.  10. 

Evaluate each expression without a calculator.

11.  12.  13.  14.  15.  16. 

17.  18.  19.  20.  21.  22. 

Solve each equation without a calculator.

23.  24.  25.  26.  27.  28. 29.  30.  31.  32.  33.  34. 

Solve for x, using the properties of logarithms.

35.  36. 

37.  38. 

39.  40. 

41.  42. 

Evaluate to 5 decimal places. Find x to 4 decimal places.

43.  44.  45.  46. 

Solve each equation to 4 decimal places.

47.  48.  49.  50. 

Algebra III Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

More Logs Practice Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

HW Period\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. If you invest $7,500 in an account paying 8.35% compounded continuously, how much money will be in the account at the end of: 5.5 years? 10 years?
2. A person wishes to have $15,000 cash for a new car 5 years from now. How much should be placed in an account now, if the account pays 9.75% compounded weekly? Compute the answer to the nearest dollar.
3. *Barron’s* (a national business and financial weekly) published the following “Top Savings Deposit Yields” for 1 year certificate of deposit accounts:
   1. Alamo Savings, 8.25% compounded quarterly
   2. Lamar Savings, 8.05% compounded continuously

Compute the value of $10,000 invested in each account at the end of the year.

1. A promissory note will pay $50,000 at maturity 5.5 years from now. How much should you be willing to pay for the note now if money is worth 10% compounded continuously?

Rewrite in exponential form: Rewrite in logarithmic form:

5.  6.  7.  8.  9.  10. 

Evaluate each expression without a calculator.

11.  12.  13.  14.  15.  16. 

17.  18.  19.  20.  21.  22. 

Solve each equation without a calculator.

23.  24.  25.  26.  27.  28. 29.  30.  31.  32.  33.  34. 

Solve for x, using the properties of logarithms.

35.  36. 

37.  38. 

39.  40. 

41.  42. 

Evaluate to 5 decimal places. Find x to 4 decimal places.

43.  44.  45.  46. 

Solve each equation to 4 decimal places.

47.  48.  49.  50. 